Title (en)

Process for electrochemical dissolution of high-melting point special alloy powders and electrolytic cell suitable therefor

Title (de)

Verfahren zur elektrochemischen Auflösung von Pulvern aus hochschmelzenden Sonderlegierungen und dafür geeignete Elektrolysezelle

Title (fr)

Procédé de dissolution électrochimique de poudres d'alliages spéciaux à point de fusion élevé et cellule d'électrolyse à cet effet

Publication

EP 1354968 B1 20090708 (DE)

Application

EP 03007731 A 20030404

Priority

DE 10216944 A 20020417

Abstract (en)

[origin: EP1354968A2] Process for electrochemically digesting powdered precursors comprises introducing a powder charge between two liquid-permeable electrodes of an electrolysis cell. The powder charge flows from the electrolyte vertically to the electrode surfaces. An Independent claim is also included for an electrolysis cell.

IPC 8 full level

C22B 7/00 (2006.01); **C25B 11/03** (2006.01); **C22B 3/02** (2006.01); **C22B 3/04** (2006.01); **C22B 34/00** (2006.01); **C22B 34/36** (2006.01); **C25B 1/00** (2006.01); **C25C 5/00** (2006.01); **C25C 5/02** (2006.01); **C25C 7/00** (2006.01); **C25C 7/02** (2006.01); **C25D 15/00** (2006.01)

CPC (source: EP KR US)

C22B 3/045 (2013.01 - EP US); **C22B 7/006** (2013.01 - EP US); **C22B 11/042** (2013.01 - EP US); **C22B 34/36** (2013.01 - EP US); **C25C 5/02** (2013.01 - KR); Y02P 10/20 (2015.11 - EP US)

Citation (examination)

SU 1057432 A1 19831130 - V PT I ELEKTROBYTOVYM MASHINAM [SU]

Cited by

EP2081685A4; US9023129B2; WO2011074948A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1354968 A2 20031022; **EP 1354968 A3 20031126**; **EP 1354968 B1 20090708**; AT E435931 T1 20090715; CA 2425504 A1 20031017; CN 100430525 C 20081105; CN 1451787 A 20031029; DE 10216944 A1 20031106; DE 50311678 D1 20090820; DK 1354968 T3 20090907; ES 2327399 T3 20091029; JP 2005036245 A 20050210; KR 20030082447 A 20031022; MX PA03003341 A 20031022; PE 20040024 A1 20040211; PT 1354968 E 20090821; RU 2330125 C2 20080727; SI 1354968 T1 20091031; TW 200408452 A 20040601; US 2003196902 A1 20031023; US 2007256931 A1 20071108; US 7144493 B2 20061205; US 7799184 B2 20100921

DOCDB simple family (application)

EP 03007731 A 20030404; AT 03007731 T 20030404; CA 2425504 A 20030414; CN 03123122 A 20030417; DE 10216944 A 20020417; DE 50311678 T 20030404; DK 03007731 T 20030404; ES 03007731 T 20030404; JP 2003111884 A 20030416; KR 20030023871 A 20030416; MX PA03003341 A 20030415; PE 2003000385 A 20030416; PT 03007731 T 20030404; RU 2003110981 A 20030417; SI 200331651 T 20030404; TW 92108750 A 20030416; US 41395803 A 20030415; US 55829506 A 20061109